

## NAMING AND MANAGING SIMULATION MODEL EVENTS

A method, system, and data structure for processing and managing a simulation event during model simulation. In accordance with the present invention, a design entity identifier is associated with the simulation event within a simulation event declaration statement. The event declaration statement includes a design entity name field containing data representing an entity name of a design entity from which the simulation event is generated. Occurrences of the simulation event are evaluated within said simulation model in accordance with the design entity identifier. An instantiation identifier field may be included within the event declaration to enable hierarchical and non-hierarchical processing of the event.